

AMENDMENTS TO THE CLAIMS

1. (Currently amended) An oscillator device comprising:
an oscillation circuit substrate[[],];
an oscillation circuit disposed on the oscillation circuit substrate to oscillate a signal having a predetermined oscillating frequency[[],]; and
a dielectric resonator for setting the oscillating frequency, ~~wherein the dielectric resonator includes~~ including:

a dielectric substrate mounted on a ~~front~~ surface of the oscillation circuit substrate[[],];

a TM010 mode resonator having a first electrode disposed on a first surface of the dielectric substrate and a second electrode ~~electrodes~~ disposed on ~~both surfaces~~ a second surface of the dielectric substrate, at least one of the first and second electrodes being circular[[],]; and

an excitation electrode disposed on the dielectric substrate, the excitation electrode being connected to the oscillation circuit and being coupled with the TM010 mode resonator.

2. (Currently amended) The oscillator device according to claim 1, wherein the oscillation circuit includes a transmission line disposed on the surface of the oscillation circuit substrate ~~provided with~~ and a ground electrode ~~on a back surface of the oscillation circuit substrate~~, and

at least one of the first and second ~~between the two~~ electrodes of the TM010 mode resonator, ~~the electrode disposed on a back surface of the dielectric substrate is~~ connected to a land disposed on the ~~front~~ surface of the oscillation circuit substrate, and the land is connected to the ground electrode ~~of the transmission line via a through-hole passing through the oscillation circuit substrate.~~

3. (Currently amended) The oscillator device according to claim 2, wherein ~~the at least one of the first and second, between the two~~ electrodes of the TM010 mode resonator, ~~the electrode disposed on the back surface of the dielectric substrate~~ is connected to the land ~~by using~~ with bumps.

4. (Currently amended) The oscillator device according to claim 1, wherein the oscillation circuit includes a transmission line and ~~provided with~~ a ground electrode on the ~~front~~ surface of the oscillation circuit substrate, and

at least one of the first and second ~~between the two~~ electrodes of the TM010 mode resonator, ~~the electrode disposed on the back surface of the dielectric substrate~~ is connected to the ground electrode ~~of the transmission line~~ disposed on the ~~front~~ surface of the oscillation circuit substrate.

5. (Currently amended) The oscillator device according to ~~any one of claims 1, 2, 3, and 4, wherein~~ claim 1, further comprising:

a frequency control circuit for controlling the oscillating frequency, the frequency control circuit being is disposed on the oscillation circuit substrate[,]; and

a second ~~another~~ excitation electrode disposed on the dielectric substrate, the second excitation electrode ~~to be coupled with the TM010 mode resonator is disposed on the dielectric substrate, and said another excitation electrode is~~ and connected to the frequency control circuit.

6. (Currently amended) A transmission and reception device using the oscillator device set forth in ~~any one of claims 1 to 5~~ claim 1.

7. (New) The oscillator device according to claim 2, wherein the surface of the oscillation circuit substrate is a first surface, and the ground electrode is disposed

on a second surface of the oscillation circuit substrate, the second surface opposing the first surface.

8. (New) The oscillator device according to claim 7, wherein the land is connected to the ground electrode via a through-hole passing through the oscillation circuit substrate.